

GROUNDWATER MONITORING REPORT

for

Underground Storage Tank Site (765)



October 2005

PREPARED BY

Department of the Navy
Naval Air Station Lemoore
ENVIRONMENTAL OFFICE
751 Enterprise Ave.
Lemoore, CA 93246-5051

Report No.10-30-05

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1.0 INTRODUCTION

The purpose of this document is to report groundwater-monitoring results for the Public Works Transportation Site 765

2.0 GROUNDWATER SAMPLING

2.1 SAMPLING METHOD

Dedicated pumps and bailers were used for groundwater monitoring. Three well-casing volumes of water were purged from each of the wells prior to sampling. Groundwater samples were collected after the purge and water levels returned to 80% of pre-purge level. After collection, samples were capped, labeled, chilled and transported under proper chain-of-custody to a California certified analytical laboratory. All purge water was disposed at the Industrial Wastewater Treatment Plant.

2.2 SAMPLE COLLECTION ANALYSIS

Groundwater samples were collected on September 6th, 12th and 19th for analysis. The samples were analyzed for TPH-Gasoline using Method 8015M or LUFT, BTEX using Method 8021B, and MTBE using Method 8260.

2.3 SAMPLING RESULTS

Effective September 2003 the groundwater sampling frequency of Site 765 was reduced from quarterly to annually. Groundwater monitoring results for Site 765 are summarized in Table 2.3 and sample analysis reports are in Appendix A.

Table 2.3: Groundwater Monitoring Data for Site 765

Monitoring Well	Sampling Date	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzen e ($\mu\text{g/L}$)	Xylene ($\mu\text{g/L}$)	BTEX ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	TPHG (mg/L)	TPHD (mg/L)	TPH J (mg/L)	TPHM (mg/L)
765-MW1	9/2/99	ND	0.7	ND	1.3	2.0	ND	ND	ND	ND	ND
	12/15/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/15/00	ND	ND	ND	3.3	3.3	ND	ND	ND	ND	ND
	6/27/00	3.1	1.2	0.5	2.2	7.0	ND	0.021	ND	ND	ND
	9/19/00	5.5	2.1	1.5	6.0	15.1	ND	0.077	ND	ND	ND
	12/4/00	15	2.2	9.4	1.8	28.4	ND	ND	ND	ND	ND
	3/7/01	5.2	2.0	ND	ND	7.2	ND	0.7	ND	ND	ND

Monitoring Well	Sampling Date	Benzene (µg/L)	Toluene (µg /L)	Ethylbenzen e (µg /L)	Xylene (µg /L)	BTEX (µg /L)	MTBE (µg /L)	TPHG (mg/L)	TPHD (mg/L)	TPH J (mg/L)	TPHM (mg/L)
	6/4/01	67	6.4	12	8.7	94.1		ND			
	9/11/01	6.8	6.2	5.6	21.6	40.2		0.6			
	12/4/01	8.3	5.1	5.4	21.8	40.6		ND			
	3/11/02	2.8	ND	ND	1.8	4.6		ND			
	6/4/02	1.9	1.1	ND	2.5	5.5		ND			
	9/10/02	1.2	ND	ND	0.51	1.71		ND			
	12/9/02	0.97	ND	ND	1.2	2.07		ND			
	3/4/03	ND	ND	ND	ND	ND		0.050			
	6/9/03	3.5	0.99	1.4	4.6	10.49		0.19			
	9/2/03	ND	ND	ND	ND	ND		ND			
	9/15/04	1.2	0.44	1.4	4.1	7.14		0.10			
	9/19/05	11	1.9	5.4	12	30.3		0.15			
765-MW2	9/2/99	9,900	11,000	3,300	17,000	41,200	28	98.0			
	12/15/99	1,400	330	150	580	2,460	ND	5.2			
	2/17/00	19	2	1	600	622		3.4			
	6/27/00	6,500	4,900	2,400	11,000	24,800		62.0			
	9/19/00	1,700	310	340	820	3,170		8.6			
	12/4/00	6,800	6,000	5,100	13,000	30,900	15	87			
	3/7/01	1,600	ND	ND	ND	1,600	ND	3			
	6/4/01	1,400	ND	240	640	2,280	ND	10			
	9/11/01	1,100	220	280	720	2,320	3.6	6			
	12/4/01	470	83	96	271	920	ND	1.3			
	3/11/02	1,000	110	190	510	1,810	ND	9.2			
	6/4/02	2,000	15	ND	910	2,925	ND	31			
	9/10/02	ND	970	3,300	8,200	12,470	ND	120			
	12/9/02	3,600	49	160	210	4,019	ND	42			
	3/4/03	750	ND	77	220	1,047	ND	4.6			
	6/9/03	740	ND	94	200	1,034	ND	5.4			
	9/2/03	9800	200	2200	3900	16,100	ND	38			
	9/15/04	5400	62	2400	3700	11562		35			
	9/19/05	1.5	2.1	96	110	209.6		1.7			
765-MW3	9/1/99	2.5	ND	ND	ND	2.5	ND	0.06			
	12/15/99	ND	ND	ND	ND	ND		ND			
	2/17/00	ND	ND	ND	ND	ND		ND			
	6/27/00	12.0	2.2	ND	1.6	15.8		0.04			
	9/11/00	100.0	0.4	0.3	1.3	102.0		0.23			
	12/4/00	86	17	14	6.5	123.5		ND			

Monitoring Well	Sampling Date	Benzene (µg/L)	Toluene (µg /L)	Ethylbenzen e (µg /L)	Xylene (µg /L)	BTEX (µg /L)	MTBE (µg /L)	TPHG (mg/L)	TPHD (mg/L)	TPH J (mg/L)	TPHM (mg/L)
	3/7/01	5.6	ND	ND	ND	5.6		0.5			
	6/4/01	17	1.6	2.7	2.4	23.7		0.6			
	9/11/01	34	9	11	33	87		0.5			
	12/4/01	1.5	1.3	ND	2.9	5.7		ND			
	3/11/02	2.8	0.67	0.72	2.9	7.09		ND			
	6/4/02	0.77	0.77	ND	1.3	2.84		ND			
	9/10/02	ND	ND	ND	ND	ND		ND			
	12/9/02	4.9	ND	2.5	4.3	11.7		0.11			
	3/4/03	0.70	ND	ND	0.53	1.23		ND			
	6/9/03	0.69	1.1	ND	2.0	3.79		0.16			
	9/2/03	ND	ND	ND	ND	ND		ND			
	9/15/04	0.21	0.20	0.18	0.56	1.25		0.034			
	9/19/05	1.1	0.94	ND	1.3	3.34		0.055			
765-MW4	9/2/99	2.5	ND	ND	ND	2.5	1	0.07			
	12/15/99	11.0	ND	ND	0.7	11.7	2	0.20			
	2/17/00	ND	ND	ND	1.4	1.4	2	0.40			
	6/27/00	ND	ND	ND	1.7	1.7	14	ND			
	9/11/00	3.7	1.7	1.2	4.9	11.5	5	0.43			
	12/4/00	ND	ND	ND	0.7	0.7	ND	ND			
	3/7/01	2.2	ND	ND	ND	2.2	ND	ND			
	6/4/01	1.7	ND	0.5	ND	2.2		ND			
	9/11/01	4.3	2.4	3.0	10.2	19.9		1.4			
	12/4/01	8.6	3.8	4.0	15.6	32		ND			
	3/11/02	3.0	ND	0.5	1.8	5.3		0.59			
	6/4/02	3.8	1.2	0.56	2.8	8.36		ND			
	9/10/02	0.98	ND	ND	1.4	2.38		0.15			
	12/9/02	3.6	ND	2.0	4.3	9.9		ND			
	3/4/03	2.2	ND	1.3	4.4	7.9		0.083			
	6/9/03	1.3	0.52	ND	1.3	3.12		0.18			
	9/2/03	1.1	ND	ND	ND	1.1		ND			
	9/15/04	0.18	0.40	0.24	0.78	1.60		0.045			
	9/19/05	3.7	2.2	1.3	4.1	11.3		0.13			
765-MW5	9/1/99	ND	ND	ND	ND	ND	ND	ND			
	12/15/99	0.6	1.3	ND	2.2	4.1		ND			
	2/17/00	ND	ND	ND	ND	ND		ND			
	6/27/00	2.9	2.4	ND	1.8	7.1		ND			
	9/19/00	1.3	0.8	0.6	2.0	4.7		ND			

Monitoring Well	Sampling Date	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzen e ($\mu\text{g/L}$)	Xylene ($\mu\text{g/L}$)	BTEX ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	TPHG (mg/L)	TPHD (mg/L)	TPH J (mg/L)	TPHM (mg/L)
	9/11/01	3.5	1.7	1.3	4.3	10.8		ND			
	9/10/02	ND	ND	ND	ND	ND		ND			
	9/2/03	ND	ND	ND	ND	ND		ND			
	9/15/04	18	30	4.5	28	80.5		0.79			
	9/19/05	1.1	ND	0.63	1.3	3.03		0.064			
765-MW6	9/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/15/99	1.0	1.9	0.3	3.1	6.3		ND			
	2/17/00	ND	ND	ND	ND	ND		ND			
	6/27/00	1.1	1.0	ND	1.4	3.5		ND			
	9/19/00	0.7	0.7	0.5	1.7	3.6		ND			
	9/11/01	2.2	1.8	1.0	3.9	8.9		ND			
	9/10/02	ND	ND	ND	ND	ND		ND			
	9/2/03	ND	ND	ND	ND	ND		ND			
	9/15/04	0.11	0.38	0.12	0.57	1.18		0.033			
	9/19/05	0.85	ND	0.33	ND	1.18		0.078			
765-MW7	9/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/15/99	3.6	7.5	1.7	16.0	28.8		0.07			
	2/17/00	ND	ND	ND	ND	ND		ND			
	6/27/00	1.3	0.6	ND	ND	1.9		ND			
	9/19/00	0.6	0.6	0.4	1.4	3.0		ND			
	9/11/01	4.7	4.9	2.8	9.6	22		ND			
	9/10/02	ND	ND	ND	ND	ND		ND			
	9/2/03	ND	ND	ND	ND	ND		ND			
	9/15/04	0.34	0.2	0.25	0.69	1.48		.050			
	9/19/05	0.46	ND	ND	ND	0.46		ND			
765-MW8	9/1/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	12/15/99	11.0	51.0	7.7	120.0	189.7		0.4			
	2/17/00	ND	ND	ND	ND	ND		ND			
	6/27/00	2.5	1.6	ND	2.1	6.2		ND			
	9/19/00	0.8	ND	ND	0.4	1.2		ND			
	9/11/01	0.9	0.6	0.5	2.0	4.0		ND			
	9/10/02	ND	ND	ND	0.69	0.69		ND			
	9/2/03	ND	ND	ND	ND	ND		ND			
	9/15/04	0.13	0.14	0.13	0.44	0.84		0.031			
	9/19/05	0.77	0.46	0.39	0.96	2.58		0.064			

2.4 GROUNDWATER MEASUREMENT DATA

Table 2.4 contains groundwater measurement data of each monitoring well for this reporting period.

Table 2.4 Groundwater Measurement Data

Monitoring Well	Well Depth (ft)	Top-of-Casing Elev. (ft)	Date Measured	Depth to Water (ft)	Groundwater Elev. (ft)
765-MW1	23.5	223.69	9/19/05	6.9	216.79
765-MW2	23.5	223.71	9/19/05	6.75	216.96
765-MW3	25.5	223.68	9/19/05	6.45	217.23
765-MW4	23.5	223.41	9/19/05	6.7	216.71
765-MW5	17.0	223.16	9/19/05	6.35	216.81
765-MW6	17.0	223.65	9/19/05	6.30	217.35
765-MW7	18.0	223.63	9/19/05	5.80	217.83
765-MW8	17.4	223.39	9/19/05	6.30	217.09

2.5 NEXT ROUND OF SAMPLING

Table 2.5 indicates the testing parameters in next round of sampling to be conducted in September 2006. The results will be submitted in October 2006.

Table 2.5: Testing Parameters for September 2006 Sampling

Monitoring Well	TPHD (8015M)	TPHG (8260B)	TPHJ (8015M)	TPHM (8015M)	BTEX (8260B)	MTBE (8260B)
765-MW1		X			X	
765-MW2		X			X	
765-MW3		X			X	
765-MW4		X			X	
765-MW5		X			X	
765-MW6		X			X	
765-MW7		X			X	
765-MW8		X			X	

APPENDIX A

Sample Analysis Reports



BC Laboratories, Inc

Naval Air Station Lemoore, California
730 Enterprise Ave, Wing 1, Room 103
Lemoore CA, 93246-5051

Project: List 1 - GW/WW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson
Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-01 Client Sample Name: 0093, 765-MW1, 765-MW1, 9/19/2005 8:00:00AM, Ken Coyle

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	11	ug/L	0.30		EPA-8020	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853	ND	
Toluene	1.9	ug/L	0.30		EPA-8020	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853	ND	
Ethylbenzene	5.4	ug/L	0.30		EPA-8020	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853	ND	
Total Xylenes	12	ug/L	0.60		EPA-8020	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853	ND	
Gasoline Range Organics (C4 - C12)	150	ug/L	50		Luft	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	83.8	%	70 - 130 (LCL - UCL)	EPA-8020	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853	ND		
a,a,a-Trifluorotoluene (FID Surrogate)	82.8	%	70 - 130 (LCL - UCL)	Luft	09/22/05	09/23/05	05:16	tlf	GC-V4	1	BO10853			



Naval Air Station Lemoore, California
730 Enterprise Ave. Wing 1, Room 103
Lemoore CA, 93246-5051

Project: List 1 - GW/WW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson
Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-08 Client Sample Name: 0093, 765-MW2, 765-MW2, 9/19/2005 8:30:00AM, Ken Coyle

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	1.5	ug/L	0.30		EPA-8020	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853	ND	
Toluene	2.1	ug/L	0.30		EPA-8020	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853	ND	
Ethylbenzene	96	ug/L	0.30		EPA-8020	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853	ND	
Total Xylenes	110	ug/L	0.60		EPA-8020	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853	ND	
Gasoline Range Organics (C4 - C12)	1700	ug/L	50		Luft	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	83.4	%	70 - 130 (LCL - UCL)	EPA-8020	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853	ND		
a,a,a-Trifluorotoluene (FID Surrogate)	104	%	70 - 130 (LCL - UCL)	Luft	09/22/05	09/23/05 16:32	tff	GC-V4	1	BO10853			



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Project: List 1 - GW/WW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson
Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-02 Client Sample Name: 0093, 765-MW3, 765-MW3, 9/19/2005 8:55:00AM, Ken Coye

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	1.1	ug/L	0.30		EPA-8020	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853	ND	
Toluene	0.94	ug/L	0.30		EPA-8020	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853	ND	
Total Xylenes	1.3	ug/L	0.60		EPA-8020	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853	ND	
Gasoline Range Organics (C4 - C12)	55	ug/L	50		Luft	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853	ND	
a,a-Trifluorotoluene (PID Surrogate)	92.0	%	70 - 130 (LCL - UCL)		EPA-8020	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853		
a,a,a-Trifluorotoluene (FID Surrogate)	95.2	%	70 - 130 (LCL - UCL)		Luft	09/22/05	09/23/05 05:41	tff	GC-V4	1	BO 0853		



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Project: List 1 - GW/WW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson

Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-03 Client Sample Name: 0093, 765-MW4, 765-MW4, 9/19/2005 9:25:00AM, Ken Coyle

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	3.7	ug/L	0.30		EPA-8020	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853	ND	
Toluene	2.2	ug/L	0.30		EPA-8020	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853	ND	
Ethylbenzene	1.3	ug/L	0.30		EPA-8020	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853	ND	
Total Xylenes	4.1	ug/L	0.60		EPA-8020	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853	ND	
Gasoline Range Organics (C4 - C12)	130	ug/L	50		Luft	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853	ND	
a,a-Trifluorotoluene (PID Surrogate)	90.8	%	70 - 130	(LCL - UCL)	EPA-8020	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	90.4	%	70 - 130	(LCL - UCL)	Luft	09/22/05	09/23/05 10:11	tff	GC-V4	1	BO10853		



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Naval Air Station Lemoore, California
730 Enterprise Ave, Wing 1, Room 103
Lemoore CA, 93246-5051

Project: List I - GW/NW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson
Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-04 Client Sample Name: 0093, 765-MW5, 765-MW5, 9/19/2005 9:40:00AM, Ken Coyle

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	Batch ID	QC	MB	Lab Bias	Quals
Benzene	1.1	ug/L	0.30		EPA-8020	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853			ND	
Toluene	ND	ug/L	0.30		EPA-8020	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853			ND	
Ethylbenzene	0.63	ug/L	0.30		EPA-8020	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853			ND	
Total Xylenes	1.3	ug/L	0.60		EPA-8020	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853			ND	
Gasoline Range Organics (C4 - C12)	64	ug/L	50		Luft	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853			ND	
a,a,a-Trifluorotoluene (PID Surrogate)	105	%	70 - 130 (LCL - UCL)		EPA-8020	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853				
a,a,a-Trifluorotoluene (FID Surrogate)	113	%	70 - 130 (LCL - UCL)		Luft	09/22/05	09/23/05 10:37	tff	GC-V4	1	BO10853				



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Project: List 1 - GW/WW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson
Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-05 Client Sample Name: 0093, 765-MW6, 765-MW6, 9/19/2005 10:10:00AM, Ken Coyne

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC	MB	Lab Bias	Quals
Benzene	0.85	ug/L	0.30		EPA-8020	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853	ND		
Toluene	ND	ug/L	0.30		EPA-8020	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853	ND		
Ethylbenzene	0.33	ug/L	0.30		EPA-8020	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853	ND		
Total Xylenes	ND	ug/L	0.60		EPA-8020	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853	ND		
Gasoline Range Organics (C4 - C12)	78	ug/L	50		Luft	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853	ND		
a,a,a-Trifluorotoluene (PID Surrogate)	87.0	%	70 - 130 (LCL - UCL)	EPA-8020	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853	ND			
a,a,a-Trifluorotoluene (FID Surrogate)	92.0	%	70 - 130 (LCL - UCL)	Luft	09/22/05	09/23/05 13:12	tff	GC-V4	1	BO10853				



BC Laboratories, Inc

Naval Air Station Lemoore, California
730 Enterprise Ave. Wing 1. Room 103
Lemoore CA, 93246-5051

Project: List 1 - GW/WW/SS/SW
Project Number: T0603191979
Project Manager: Terra Donaldson

Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-06 Client Sample Name: 0093, 765-MW7, 765-MW7, 9/19/2005 10:25:00AM, Ken Coyle

Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
Benzene	0.46	ug/L	0.30		EPA-8020	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	ND		
Toluene	ND	ug/L	0.30		EPA-8020	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	ND		
Ethylbenzene	ND	ug/L	0.30		EPA-8020	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	ND		
Total Xylenes	ND	ug/L	0.60		EPA-8020	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	ND		
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	ND		
a,a,a-Trifluorotoluene (PID Surrogate)	56.8	%	70 - 130 (LCL - UCL)	EPA-8020	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	ND			
a,a,a-Trifluorotoluene (FID Surrogate)	71.1	%	70 - 130 (LCL - UCL)	Luft	09/22/05	09/23/05	13:37	tlf	GC-V4	1	BO10853	S09			



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Reported: 10/05/05 08:59

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509267-07 Client Sample Name: 0093, 765-MW8, 765-MW8, 9/19/2005 10:45:00AM, Ken Coyne

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.77	ug/L	0.30		EPA-8020	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853	ND	
Toluene	0.46	ug/L	0.30		EPA-8020	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853	ND	
Ethylbenzene	0.39	ug/L	0.30		EPA-8020	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853	ND	
Total Xylenes	0.96	ug/L	0.60		EPA-8020	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853	ND	
Gasoline Range Organics (C4 - C12)	64	ug/L	50		Luft	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	90.3	%	70 - 130 (LCL - UCL)		EPA-8020	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	89.6	%	70 - 130 (LCL - UCL)		Luft	09/22/05	09/23/05 16:07	tlf	GC-V4	1	BO 0853		

APPENDIX B

Sampling Well Location Map

Public Works Transportation Sampling Map, 9/19/2005

